

**Tap
Accessories**

- *Tapping Fluid*
- *Special Shank Extensions*



Tap
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Tapping Fluid

EMUGE Tapping Fluids are designed for particularly tough applications and low machine ability high tech alloys. It enables tools to cut cleanly and leave a smooth finish while allowing for accuracy and size control. Unlike other common tapping fluids EMUGE Tapping Fluid is non-toxic.

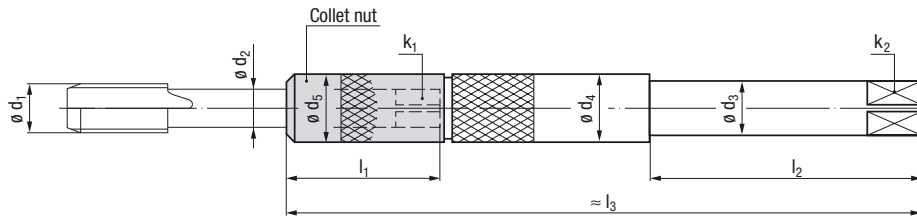
Features and Benefits

- Reduces required torque
- Greatly improves part production
- Non-evaporative – stays on the tool
- Contains no 1,1,1-Trichloroethane

JM321	4 oz.	24 units in case
JM322	16 oz.	12 units in case
JM323	1 gallon	6 units in case
JM324	5 gallon	Plastic can with spout
JM325	55 gallon	Drum

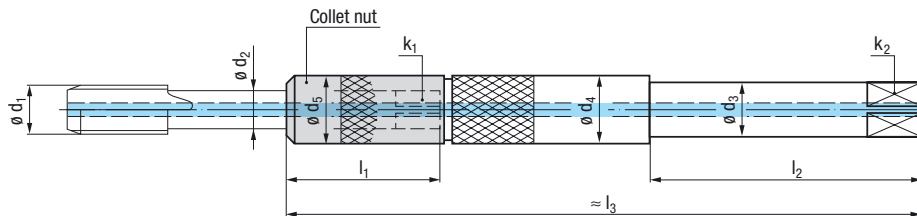
For safety and disposal information please request a Material Safety Data Sheet (MSDS).

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Short Type

											Catalog No.	FU504
											EDP Tool Identification	FZ111900
Size	d_2	Tap Dimensions Nominal Thread Size d_1	k_1	l_1	Extension Dimensions					EDP Dimen. ID		
					d_3 h9	k_2 h12	l_2	d_4/d_5	l_3			
101	0.141	No. 0 - No. 6	0.110	0.91	0.255	0.191	2.36	0.295	5.12	101	●	
102	0.168	No. 8	0.131	0.91	0.255	0.191	2.36	0.331	5.12	102	●	
103	0.194	No. 10	0.152	0.91	0.255	0.191	2.36	0.398	5.12	103	●	
104	0.220	No. 12	0.165	1.02	0.255	0.191	2.36	0.476	5.12	104	●	
105	0.255	1/4	0.191	1.02	0.255	0.191	2.36	0.476	5.12	105	●	
106	0.318	5/16	0.238	1.18	0.318	0.238	2.36	0.512	5.12	106	●	
107	0.323	7/16	0.242	1.18	0.323	0.242	3.54	0.512	7.09	107	●	
108	0.367	1/2	0.275	1.22	0.367	0.275	3.54	0.591	7.09	108	●	
109	0.381	3/8	0.286	1.30	0.381	0.286	2.36	0.591	5.12	109	●	
110	0.429	9/16	0.322	1.42	0.429	0.322	3.54	0.709	7.09	110	●	
111	0.480	5/8	0.360	1.42	0.480	0.360	3.54	0.709	7.09	111	●	
112	0.590	3/4	0.442	1.57	0.590	0.442	3.54	0.866	7.09	112	●	
113	0.697	7/8	0.523	1.69	0.697	0.523	3.94	1.024	7.87	113	●	
114	0.800	1	0.600	1.77	0.800	0.600	3.94	1.102	7.87	114	●	
115	0.896	1 1/8	0.672	1.85	0.896	0.672	3.94	1.260	7.87	115	●	
116	1.021	1 1/4	0.766	1.97	1.021	0.766	3.94	1.378	7.87	116	●	
117	1.108	1 3/8	0.831	2.13	1.108	0.831	3.94	1.496	7.87	117	●	
118	1.233	1 1/2	0.925	2.44	1.233	0.925	3.94	1.654	7.87	118	●	

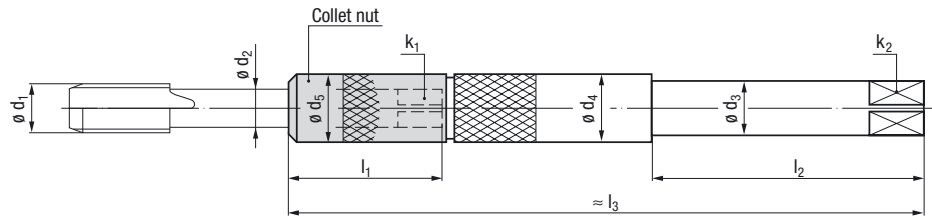


Short Type with Coolant-Thru (IKZ)

											Catalog No.	FU509
											EDP Tool Identification	FZ112300
Size	d_2	Tap Dimensions Nominal Thread Size d_1	k_1	l_1	Extension Dimensions					EDP Dimen. ID		
					d_3 h9	k_2 h12	l_2	d_4/d_5	l_3			
101	0.141	No. 0 - No. 6	0.110	0.91	0.255	0.191	2.36	0.295	5.12	101	●	
102	0.168	No. 8	0.131	0.91	0.255	0.191	2.36	0.331	5.12	102	●	
103	0.194	No. 10	0.152	0.91	0.255	0.191	2.36	0.398	5.12	103	●	
104	0.220	No. 12	0.165	1.02	0.255	0.191	2.36	0.476	5.12	104	●	
105	0.255	1/4	0.191	1.02	0.255	0.191	2.36	0.476	5.12	105	●	
106	0.318	5/16	0.238	1.18	0.318	0.238	2.36	0.512	5.12	106	●	
107	0.323	7/16	0.242	1.18	0.323	0.242	3.54	0.512	7.09	107	●	
108	0.367	1/2	0.275	1.22	0.367	0.275	3.54	0.591	7.09	108	●	
109	0.381	3/8	0.286	1.30	0.381	0.286	2.36	0.591	5.12	109	●	
110	0.429	9/16	0.322	1.42	0.429	0.322	3.54	0.709	7.09	110	●	
111	0.480	5/8	0.360	1.42	0.480	0.360	3.54	0.709	7.09	111	●	
112	0.590	3/4	0.442	1.57	0.590	0.442	3.54	0.866	7.09	112	●	
113	0.697	7/8	0.523	1.69	0.697	0.523	3.94	1.024	7.87	113	●	
114	0.800	1	0.600	1.77	0.800	0.600	3.94	1.102	7.87	114	●	
115	0.896	1 1/8	0.672	1.85	0.896	0.672	3.94	1.260	7.87	115	●	
116	1.021	1 1/4	0.766	1.97	1.021	0.766	3.94	1.378	7.87	116	●	
117	1.108	1 3/8	0.831	2.13	1.108	0.831	3.94	1.496	7.87	117	●	
118	1.233	1 1/2	0.925	2.44	1.233	0.925	3.94	1.654	7.87	118	●	

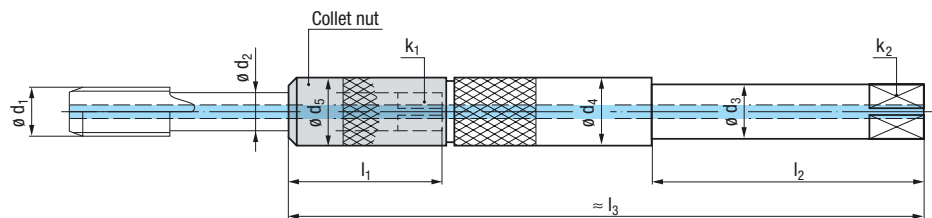


Tap Access.



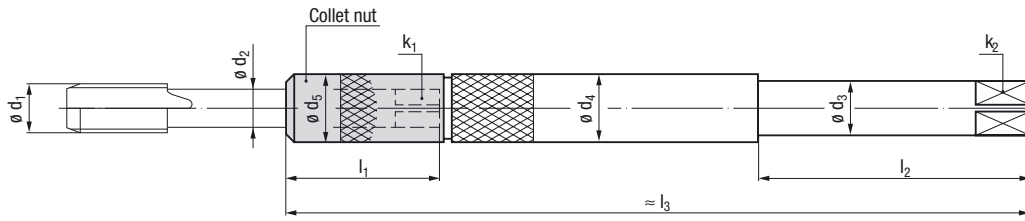
Short Type

											Catalog No.	F504
											EDP Tool Identification	FZ111300
Size	d_2	Tap Dimensions		k_1	l_1	Extension Dimensions					EDP Dimen. ID	
		DIN371	d_1 DIN374/376			d_3 h9	k_2 h12	l_2	d_4/d_5	l_3		
1	2.8	M2 - M2.6	M4	2.1	21	6	4.9	60	6.1	130	01	●
2	3.5	M3	M4.5 - M5	2.7	22	6	4.9	60	7.5	130	02	★
3	4.0	M3.5	M5.5	3.0	22	6	4.9	60	8.4	130	03	★
4	4.5	M4	M6	3.4	22	6	4.9	60	8.4	130	04	●
5	6.0	M4.5 - M6	M8	4.9	25	7	5.5	60	12.1	130	05	●
6	7.0	M7	M9 - M10	5.5	25	7	5.5	60	12.1	130	06	●
7	8.0	M8	M11	6.2	29	8	6.2	60	13.0	130	07	★
8	9.0	M9	M12	7.0	30	9	7.0	60	15.0	130	08	●
9	10.0	M10	—	8.0	32	10	8.0	60	15.0	130	09	●
10	11.0	—	M14	9.0	35	11	9.0	90	18.0	180	10	●
11	12.0	(M12)	M16	9.0	35	12	9.0	90	18.0	180	11	●
12	14.0	—	M18	11.0	39	14	11.0	90	22.0	180	12	●
13	16.0	—	M20	12.0	40	16	12.0	90	22.0	180	13	●
14	18.0	—	M22 - M24	14.5	42	18	14.5	100	26.0	200	14	●
15	20.0	—	M27	16.0	44	20	16.0	100	28.0	200	15	●
16	22.0	—	M30	18.0	46	22	18.0	100	30.0	200	16	★
17	25.0	—	M33	20.0	49	25	20.0	100	35.0	200	17	●



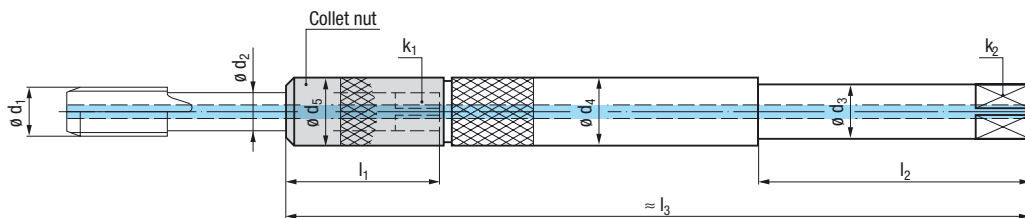
Short Type with Coolant-Thru (IKZ)

											Catalog No.	F509
											EDP Tool Identification	FZ111500
Size	d_2	Tap Dimensions		k_1	l_1	Extension Dimensions					EDP Dimen. ID	
		DIN371	d_1 DIN374/376			d_3 h9	k_2 h12	l_2	d_4/d_5	l_3		
1	2.8	M2 - M2.6	M4	2.1	21	6	4.9	60	6.1	130	01	★
2	3.5	M3	M4.5 - M5	2.7	22	6	4.9	60	7.5	130	02	★
3	4.0	M3.5	M5.5	3.0	22	6	4.9	60	8.4	130	03	★
4	4.5	M4	M6	3.4	22	6	4.9	60	8.4	130	04	★
5	6.0	M4.5 - M6	M8	4.9	25	7	5.5	60	12.1	130	05	★
6	7.0	M7	M9 - M10	5.5	25	7	5.5	60	12.1	130	06	●
7	8.0	M8	M11	6.2	29	8	6.2	60	13.0	130	07	★
8	9.0	M9	M12	7.0	30	9	7.0	60	15.0	130	08	★
9	10.0	M10	—	8.0	32	10	8.0	60	15.0	130	09	●
10	11.0	—	M14	9.0	35	11	9.0	90	18.0	180	10	●
11	12.0	(M12)	M16	9.0	35	12	9.0	90	18.0	180	11	●
12	14.0	—	M18	11.0	39	14	11.0	90	22.0	180	12	★
13	16.0	—	M20	12.0	40	16	12.0	90	22.0	180	13	●
14	18.0	—	M22 - M24	14.5	42	18	14.5	100	26.0	200	14	●
15	20.0	—	M27	16.0	44	20	16.0	100	28.0	200	15	★
16	22.0	—	M30	18.0	46	22	18.0	100	30.0	200	16	★
17	25.0	—	M33	20.0	49	25	20.0	100	35.0	200	17	★



Long Type

											Catalog No.	F505
											EDP Tool Identification	FZ111310
Size	d_2	Tap Dimensions		k_1	l_1	Extension Dimensions				EDP Dimen. ID		
		DIN371	DIN374/376			d_3 h9	k_2 h12	l_2	d_4/d_5			l_3
1	2.8	M2 - M2.6	M4	2.1	21	6	4.9	70	6.1	230	01	★
2	3.5	M3	M4.5 - M5	2.7	22	6	4.9	70	7.5	230	02	★
3	4.0	M3.5	M5.5	3.0	22	6	4.9	70	8.4	230	03	★
4	4.5	M4	M6	3.4	22	6	4.9	70	8.4	230	04	★
5	6.0	M4.5 - M6	M8	4.9	25	7	5.5	70	12.1	230	05	●
6	7.0	M7	M9 - M10	5.5	25	7	5.5	70	12.1	230	06	★
7	8.0	M8	M11	6.2	29	8	6.2	80	13.0	230	07	●
8	9.0	M9	M12	7.0	30	9	7.0	80	15.0	230	08	●
9	10.0	M10	—	8.0	32	10	8.0	80	15.0	230	09	●
10	11.0	—	M14	9.0	35	11	9.0	90	18.0	330	10	●
11	12.0	(M12)	M16	9.0	35	12	9.0	90	18.0	330	11	●
12	14.0	—	M18	11.0	39	14	11.0	90	22.0	330	12	★
13	16.0	—	M20	12.0	40	16	12.0	90	22.0	330	13	●
14	18.0	—	M22 - M24	14.5	42	18	14.5	100	26.0	330	14	●
15	20.0	—	M27	16.0	44	20	16.0	100	28.0	330	15	★
16	22.0	—	M30	18.0	46	22	18.0	100	30.0	330	16	★
17	25.0	—	M33	20.0	49	25	20.0	100	35.0	330	17	★



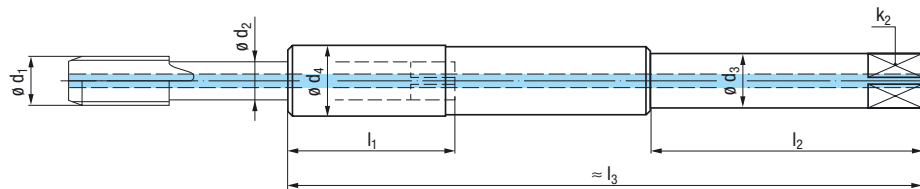
Long Type with Coolant-Thru (IKZ)

											Catalog No.	F510
											EDP Tool Identification	FZ111510
Size	d_2	Tap Dimensions		k_1	l_1	Extension Dimensions				EDP Dimen. ID		
		DIN371	DIN374/376			d_3 h9	k_2 h12	l_2	d_4/d_5			l_3
1	2.8	M2 - M2.6	M4	2.1	21	6	4.9	70	6.1	230	01	★
2	3.5	M3	M4.5 - M5	2.7	22	6	4.9	70	7.5	230	02	★
3	4.0	M3.5	M5.5	3.0	22	6	4.9	70	8.4	230	03	★
4	4.5	M4	M6	3.4	22	6	4.9	70	8.4	230	04	★
5	6.0	M4.5 - M6	M8	4.9	25	7	5.5	70	12.1	230	05	★
6	7.0	M7	M9 - M10	5.5	25	7	5.5	70	12.1	230	06	★
7	8.0	M8	M11	6.2	29	8	6.2	80	13.0	230	07	★
8	9.0	M9	M12	7.0	30	9	7.0	80	15.0	230	08	★
9	10.0	M10	—	8.0	32	10	8.0	80	15.0	230	09	★
10	11.0	—	M14	9.0	35	11	9.0	90	18.0	330	10	★
11	12.0	(M12)	M16	9.0	35	12	9.0	90	18.0	330	11	★
12	14.0	—	M18	11.0	39	14	11.0	90	22.0	330	12	★
13	16.0	—	M20	12.0	40	16	12.0	90	22.0	330	13	★
14	18.0	—	M22 - M24	14.5	42	18	14.5	100	26.0	330	14	★
15	20.0	—	M27	16.0	44	20	16.0	100	28.0	330	15	★
16	22.0	—	M30	18.0	46	22	18.0	100	30.0	330	16	★
17	25.0	—	M33	20.0	49	25	20.0	100	35.0	330	17	★



Tap Access.

For thermic shrinking of carbide tools with h6 shank tolerance



Short Type with Coolant-Thru (IKZ)

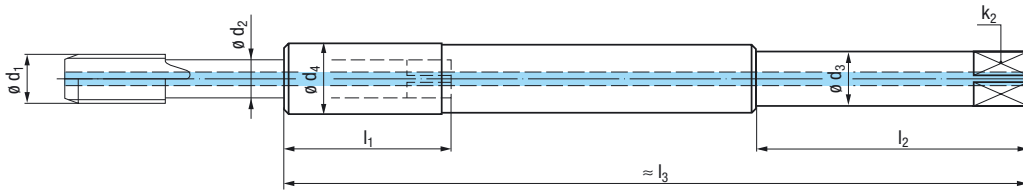
Catalog No.	F517
EDP Tool Identification	FZ131500

Size	Tap Dimensions			Extension Dimensions						EDP Dimen. ID	★
	d ₂	d ₁		l ₁	d ₃ h6	k ₂ h12	l ₂	d ₄	l ₃		
		DIN371	DIN374/376								
5	6.0	M4.5 - M6	M8	31	7.0	5.5	60	12.1	130	05	★
6	7.0	M7	M9 - M10	31	7.0	5.5	60	12.1	130	06	★
7	8.0	M8	M11	32	8.0	6.2	60	13.0	130	07	★
8	9.0	M9	M12	33	9.0	7.0	60	15.0	130	08	★
9	10.0	M10	—	34	10.0	8.0	60	15.0	130	09	★
10	11.0	—	M14	46	11.0	9.0	90	18.0	180	10	★
11	12.0	(M12)	M16	46	12.0	9.0	90	18.0	180	11	★
12	14.0	—	M18	48	14.0	11.0	90	22.0	180	12	★
13	16.0	—	M20	49	16.0	12.0	90	22.0	180	13	★



Tap Access.

For thermic shrinking of carbide tools with h6 shank tolerance



Long Type with Coolant-Thru (IKZ)

										Catalog No.	F518
										EDP Tool Identification	FZ131510
Size	d ₂	Tap Dimensions		l ₁	Extension Dimensions					EDP Dimen. ID	
		d ₁ DIN371	DIN374/376		d ₃ h6	k ₂ h12	l ₂	d ₄	l ₃		
5	6.0	M4.5 - M6	M8	31	7.0	5.5	70	12.1	230	05	★
6	7.0	M7	M9 - M10	31	7.0	5.5	70	12.1	230	06	★
7	8.0	M8	M11	32	8.0	6.2	80	13.0	230	07	★
8	9.0	M9	M12	33	9.0	7.0	80	15.0	230	08	★
9	10.0	M10	—	34	10.0	8.0	80	15.0	230	09	★
10	11.0	—	M14	46	11.0	9.0	90	18.0	330	10	★
11	12.0	(M12)	M16	46	12.0	9.0	90	18.0	330	11	★
12	14.0	—	M18	48	14.0	11.0	90	22.0	330	12	★
13	16.0	—	M20	49	16.0	12.0	90	22.0	330	13	★



Tap Access.



Inch Sizes			Catalog No.	FU512	
			EDP Tool Identification	FZ112110	
Size	d ₂	Tap Dimensions		EDP Dimen. ID	
		Nominal Thread Size d ₁			
101	0.141	No. 0 - No. 6		101	★
102	0.168	No. 8		102	★
103	0.194	No. 10		103	★
104	0.220	No. 12		104	★
105	0.255	1/4		105	★
106	0.318	5/16		106	★
107	0.323	7/16		107	★
108	0.367	1/2		108	★
109	0.381	3/8		109	★
110	0.429	9/16		110	★
111	0.480	5/8		111	★
112	0.590	3/4		112	★
113	0.697	7/8		113	★
114	0.800	1		114	★
115	0.896	1 1/8		115	★
116	1.021	1 1/4		116	★
117	1.108	1 3/8		117	★
118	1.233	1 1/2		118	★

Metric Sizes				Catalog No.	F512
				EDP Tool Identification	FZ112100
Size	d ₂	Tap Dimensions		EDP Dimen. ID	
		d ₁			
		DIN371	DIN374/376		
1	2.8	M2 - M2.6	M4	01	★
2	3.5	M3	M4.5 - M5	02	★
3	4.0	M3.5	M5.5	03	★
4	4.5	M4	M6	04	★
5	6.0	M4.5 - M6	M8	05	★
6	7.0	M7	M9 - M10	06	★
7	8.0	M8	M11	07	★
8	9.0	M9	M12	08	★
9	10.0	M10	—	09	★
10	11.0	—	M14	10	★
11	12.0	(M12)	M16	11	★
12	14.0	—	M18	12	★
13	16.0	—	M20	13	★
14	18.0	—	M22 - M24	14	★
15	20.0	—	M27	15	★
16	22.0	—	M30	16	★
17	25.0	—	M33	17	★

Tap
Access.